

Project Summary and Justification

Department Lincoln Fire & Rescue

Division

This submitted Capital Improvement Program (CIP) for the period 2002-through 2008 conforms with the plan to provide the necessary and efficient emergency response for the savings of life and property, to the rapidly increasing size of the city of Lincoln.

Project 1 Station 15

The rapid annexations and expansion of the city of Lincoln has affected emergency response time within the city. Our goal has always been to maintain a rapid response time average of 3.5 minutes or less, to intervene as quickly as possible minimizing loss of life and property damage, and perform vital emergency medical services to our citizens. Fire protection, EMS services and the ISO rating have presented a need to add 2 additional fire stations in areas of the city that have experienced significant growth.

Station 15 is proposed to be built at approximately 7000 No. 27th, and would house 1 pumper, 1 aerial and 1 ambulance unit. This would require 33.25 FTE to staff. This station will meet the needs of the community for all current and proposed growth in this area. As new fire stations are added to the city additional vehicles must be added to the fleet. One additional Engine and one aerial is needed

Project 2 Station 16

Station 16 is proposed to be built at approximately 38th & Yankee Hill Road, and would house 1 pumper, 1 aerial and 1 ambulance unit. This would require 33.25 FTE to staff. This station will meet the needs of the community for all current and proposed growth in this area. As new fire stations are added to the city additional vehicles must be added to the fleet. One additional Engine and one aerial is needed.

Project 3 Automatic Vehicle Locators

This would be an add-on to the present 911 Computer Aided Dispatch System. This system coupled with the CAD GIS mapping, would identify the actual location of fire apparatus on the streets of Lincoln allowing the CAD to select the closest unit for dispatch to an emergency, reducing response time, and improving efficiency. Automatic vehicle locators would be new technology the field portion needed to provide data to the Emergency Communication, 911 CAD system

Project 4 Handheld and Mobil Radios

The current handheld and mobile radios in use by the department were purchased prior to 1991. These radios are no longer manufactured, and parts are becoming difficult to acquire for both the Ranger mobile and the MPA handheld models. In some instances, the radios are irreparable. Communications is a critical component for both firefighter safety, and emergency services. A fleet replacement plan is proposed to allow for uniformity in equipment for both operations and maintenance.

Project Summary and Justification (cont.)

Department Lincoln Fire & Rescue

Division

This arrangement has changed, we no longer provide the Aircraft protection. This element is provided by the Federal Government, however, we still operate out of the Airport Authority property and still call it Fire Station #11. We currently have no agreement with the Airport Authority, we pay no rent and we receive no funds. We need to consider placing a station outside of the flight line to provide our services. Station #11 relocation from Airport to NW 48th & W. Seward.

Project 10 Breathing Air Refilling Cascade System

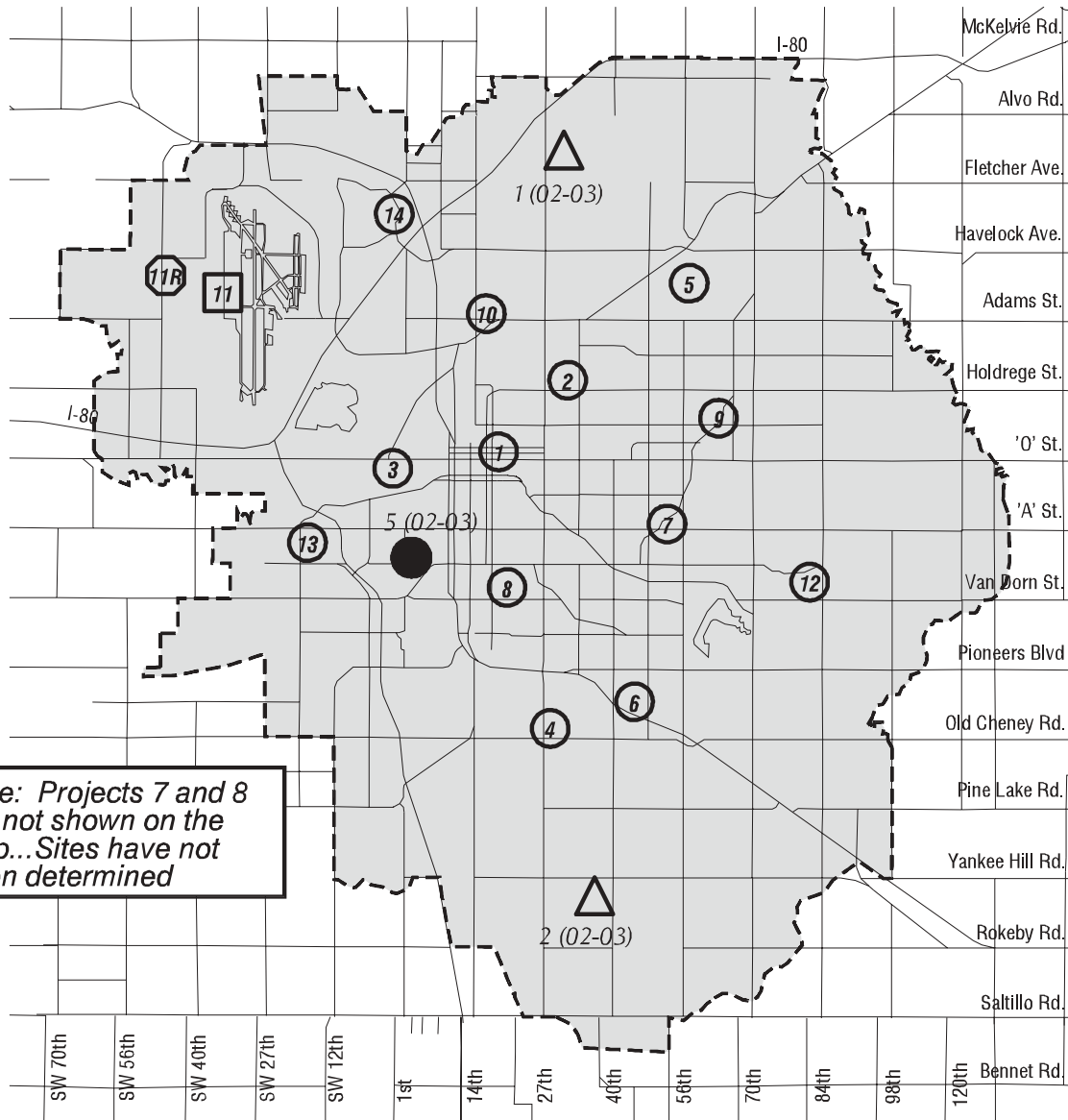
Install a breathing Air Refilling Cascade system at two more locations so apparatus can replenish their breathing air supply for self contained breathing apparatus. Adding these locations will reduce the “down time” and travel distance for units to return to a ready state in less time than the current system allows.

Project 11 Water Tankers

The Department is currently providing fire protection response to areas that have been annexed that **DO NOT** have city water mains and hydrants in place. Pumpers carry 500 gallons of water on each unit. This is an adequate quantity of water for a car or trash fire, but is not adequate for a residential fire. We are dependant upon tanker water provided from Southeast Rural Fire Department. There is no current plan in the public works division to install water mains and hydrants into these area's since they are acreage sized lots, and existing dwellings are inadequate to bear the huge cost of a water main system. The most cost effective method to assure water is available for fire protection is the purchase of water tankers. These tankers would be assigned to Station 12 for the South and East area's of the City, and Station 15 for the North and West area's.

Lincoln CIP 2002 - 2008

Fire



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Lincoln Future Service Limit Shown as Gray

Map prepared by
City - Co. Planning Dept
GIS Section



○ Exist Station (with Station Number)

△ Proposed New Station (Exact Location May Vary)

□ Proposed for Relocation

○ Relocated Station

● Educational, Training,
Fleet Service Campus

2 (02-03) Project Number & Year

(Capital improvements often take many years to complete. The year shown on this map reflects the start up year or year of greatest activity. Consult the detailed project lists for further information on project scheduling and likely completion.)

List of Projects *Department: Lincoln Fire & Rescue*

Project Number	Project Title
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1	Station 15
2	Station 16
(3)	Automatic Vehicle Locators
(4)	Handheld and Mobil Radios
5	Educational, Training, and Fleet Service Campus
(6)	Station Modifications and repairs
(7)	Equipment for Heavy Rescue Unit
(8)	Replacement of two aerials
9	Station 11 Relocation
(10)	Breathing Air Refilling Cascade System
(11)	Water Tankers

*Project number in parenthesis indicates project is not shown on the map.

DEPARTMENT: LINCOLN FIRE & RESCUE

FORM A

2002 - 2008 CAPITAL IMPROVEMENT PROGRAM

DIVISION:

(1)	(2)	(3)	5% Inflation per year (4)											
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)											
			2002-2003	FS	2003-2004	FS	2004-2005	FS	2005-2006	FS	2006-2007	FS	2007-2008	FS
1	Build & equip new fire Station #15 at approximately 7000 No. 27th	A	1,740.0	GO										
2	Build & equip new fire Station #16 at approximately 38th & Yankee Hill Road	A	1,540.0	GO										
3	Automatic Vehicle Locators	B	240.0	GO										
4	Handheld and Mobil Radios - 165 each	A	412.5	GO										
5	Educational, Training, and Fleet Service Campus	A	823.8	GO										
6	Station Modifications and repairs	B	1,068.2	GO										
7	Heavy Rescue Unit and equipment	B	300.0	GO										
8	Replacement of two aerial pumpers - T8, T21	B	1,000.0	GO										
9	Station 11 Relocation	C	650.0	GO										
10	Breathing Air Refilling Cascade systems- two	C	90.0	GO										
11	Water Tankers - two	C	130.0	GO										
FUNDING SOURCE BREAKDOWN:														
(GO) G.O. Bonds			7,994.5											
DEPARTMENT TOTALS:			7,994.5											

FORM B

FORM B												
(5)	(6)	(7)		(8)	(9)	(10)	(11)					
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2007-2008 (000's)	PRIOR APPROPRIATIONS (000's) YEAR FS		TOTAL CAP COSTS (000's) (5)+(6)+(7)	COMP PLAN CONFORM	STATUS OF PLANS	COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)					
							PRELIM PLANS	FINAL PLANS	LAND ACQUI- TION	CONST	EQUIP / FURNISH	OTHER (EXPLAIN)
1,740.0				1,740.0	ICWP	1	16.0	44.0	350.0	540.0	790.0	
1,540.0				1,540.0	ICWP	1	16.0	44.0	150.0	540.0	790.0	
240.0				240.0	GCP	0					240.0	
412.5				412.5	GCP	2					412.5	
823.8				823.8	GCP	1				823.8		
1,068.2				1,068.2	GCP	2				1,068.2		
300.0				300.0	GCP	0					300.0	
1,000.0				1,000.0	GCP	0					1,000.0	
650.0				650.0	ICWP	1		16.0	44.0	540.0	50.0	
90.0				90.0	GCP	2					90.0	
130.0				130.0	GCP	1					130.0	
7,994.5												
=====												
7,994.5												

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